

# show version

To display software, hardware, and web interface version information, use the **show version** command.

**show version** [*mod*]

**show version epld** [*mod*]

Syntax Description	
<b>mod</b>	(Optional) Number of the module.
<b>epld</b>	Displays the Erasable Programmable Logic Device (EPLD) upgrade process configuration for non-supervisor engine modules.

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Normal.

**Examples** This example shows how to display the software and hardware versions on systems configured with the Supervisor Engine 1 with Layer 3 Switching Engine (WS-F6K-PFC):

```

Console> show version
WS-C6009 Software, Version NmpSW: 6.2(0.11)KEY
Copyright (c) 1995-2000 by Cisco Systems
NMP S/W compiled on Oct 5 2000, 01:18:33

System Bootstrap Version: 5.2(1)

Hardware Version: 1.0 Model: WS-C6009 Serial #: SCA030900JA

Mod Port Model Serial # Versions
-----
1 2 WS-X6K-SUP1A-2GE SAD03392376 Hw : 1.0
Fw : 5.2(1)
Fw1: 5.1(1)CSX
Sw : 6.2(0.11)KEY
Sw1: 6.2(0.11)KEY
L3 Switching Engine SAD03365068 Hw: 1.0
3 2 WS-X6380-NAM JAB0343055Y Hw : 0.201
Fw : 4B4LZ0XA
Fw1: 4.2(0.24)DAY68
Sw : 1.1(0.20)
Sw1: 6.2(0.11)KEY
5 48 WS-X6248-RJ-45 SAD03181291 Hw : 1.0
Fw : 4.2(0.24)VAI78
Sw : 6.2(0.11)KEY
15 1 WS-F6K-MSFC SAD03366264 Hw : 1.2
Fw : 12.1(2)E,
Sw : 12.1(2)E,

```

## show version

Module	DRAM			FLASH			NVRAM		
	Total	Used	Free	Total	Used	Free	Total	Used	Free
1	65408K	45402K	20006K	16384K	8683K	7701K	512K	253K	259K

Uptime is 1 day, 19 hours, 54 minutes  
 Console> (enable)

This example shows how to display version information for a specific module:

```

Console> (enable) show version 3
Mod Port Model                Serial #    Versions
-----
3   2   WS-X6380-NAM                JAB0343055Y Hw : 0.201
                                       Fw : 4B4LZ0XA
                                       Fw1: 4.2(0.24)DAY68
                                       Sw : 1.1(0.20)
                                       Sw1: 6.2(0.11)KEY

```

Console> (enable)

This example shows how to display the software and hardware versions on systems configured with the Supervisor Engine 2 with Layer 3 Switching Engine II (PFC2):

```

Console> show version
WS-C6506 Software, Version NmpSW:6.1(0.142-Eng)
Copyright (c) 1995-2000 by Cisco Systems
NMP S/W compiled on Jul 27 2000, 18:36:52

System Bootstrap Version:6.1(194)

Hardware Version:2.0  Model:WS-C6506  Serial #:TBA04140397

Mod Port Model                Serial #    Versions
-----
2   2   WS-X6K-SUP2-2GE            SAD041104M3 Hw :0.212
                                       Fw :6.1(194)
                                       Fw1:4.2(0.24)DAY84-Eng
                                       Sw :6.1(0.142-Eng)
                                       Sw1:6.1(0.142)
      L3 Switching Engine SAD04130E6X Hw :0.303
3   48  WS-X6248-RJ-45            SAD04140BZ1 Hw :1.2
                                       Fw :5.1(1)CSX
                                       Sw :6.1(0.142)
16  1   WS-F6K-MSFC2              SAD04040BP6 Hw :0.201
                                       Fw :12.1(0.11)EP1(0.43)
                                       Sw :12.1(0.11)EP1(0.43)

```

Module	DRAM			FLASH			NVRAM		
	Total	Used	Free	Total	Used	Free	Total	Used	Free
2	130944K	57916K	73028K	16384K	12003K	4381K	512K	257K	255K

Uptime is 0 day, 0 hour, 34 minutes  
 Console>

Table 2-96 describes the fields in the **show version** command output.

**Table 2-96** *show version Command Output Fields*

Field	Description
NmpSW	Version number of the NMP software.
NMP S/W compiled on	Date and time that the NMP software was compiled.
System Bootstrap Version	System bootstrap version number.
Web Interface Version	Web interface version number.
Hardware Version	Hardware version number.
Model	Switch model number.
Serial #	Switch serial number.
Module	Module number.
Port	Number of ports on the module.
Model	Model number of the module.
Serial #	Serial number of the module.
Versions	Hardware, software, and firmware versions of the module.
Hw	Hardware version of the module.
Fw	Version of the boot code (for switching modules) or bootstrap (for the supervisor engine).
Fw1	Version of the firmware boot code (on the supervisor engine).
Sw	Version of the firmware runtime installed (on the switching module) or the software version (on the supervisor engine).
Sw1	Version of the firmware runtime (on the supervisor engine).
DRAM Total	Total dynamic RAM installed on the module.
Used	Amount of DRAM in use.
Free	Amount of available DRAM.
FLASH Total	Total Flash memory installed on the module.
Used	Amount of Flash memory in use.
Free	Amount of available Flash memory.
NVRAM Total	Total NVRAM installed on the module.
Used	Amount of NVRAM in use.
Free	Amount of available NVRAM.
Uptime is	Number of uninterrupted days, hours, minutes, and seconds the system has been up and running.

Related Commands

[download](#)

# show vlan

To display VLAN information, use the **show vlan** command.

```

show vlan [trunk]
show vlan vlans [notrunk]
show vlan mapping
show vlan type
show vlan summary
show vlan firewall-vlan mod

```

Syntax Description	trunk	(Optional) Forces the display to show information only on trunk ports.
	<i>vlans</i>	Number or range of VLANs; valid values are from 1 to 1000 and from 1025 to 4094.
	<b>notrunk</b>	(Optional) Forces the display to show information only on nontrunk ports.
	<b>mapping</b>	Displays VLAN mapping table information.
	<i>type</i>	Type of the VLAN; valid values are <b>ethernet</b> , <b>fddi</b> , <b>fddinet</b> , <b>trbrf</b> , or <b>trcrf</b> .
	<b>summary</b>	Displays a summary of active, suspended, and extended VLANs.
	<b>firewall-vlan</b>	Displays VLANs that are secured by a Firewall Services Module.
	<i>mod</i>	Number of the module.

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Normal.

**Usage Guidelines** Each Ethernet switch port and Ethernet repeater group belong to only one VLAN. Trunk ports can be on multiple VLANs.

If you do not specify the VLAN number, all VLANs are displayed.

**Examples** This example shows how to display information for all VLAN trunks:

```

Console> show vlan trunk
VLAN Name                               Status   IfIndex Mod/Ports, Vlans
-----
1    default                               active   5       2/1-2
                                           6/4-8

```

```

10  VLAN0010          active  18    6/1,6/3
11  VLAN0011          active  19    6/2
20  VLAN0020          active  20
21  VLAN0021          active  21
30  VLAN0030          active  22
31  VLAN0031          active  23
1002 fddi-default     active  6
1003 token-ring-default active  9
1004 fddinet-default active  7
1005 trnet-default   active  8      8

```

VLAN	Type	SAID	MTU	Parent	RingNo	BrdgNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
11	enet	100011	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0
21	enet	100021	1500	-	-	-	-	-	0	0
30	enet	100030	1500	-	-	-	-	-	0	0
31	enet	100031	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0
1003	trcrf	101003	1500	0	0x0	-	-	-	0	0
1004	fdnet	101004	1500	-	-	0x0	ieee	-	0	0
1005	trbrf	101005	1500	-	-	0x0	ibm	-	0	0

VLAN	Inst	DynCreated	RSPAN
1	1	static	disabled
10		static	disabled
11		static	disabled
20		static	disabled
21		static	disabled
30		static	disabled
31		static	disabled
1002	-	static	disabled
1003	1	static	disabled
1004	2	static	disabled
1005	-	static	disabled

VLAN	AREHops	STEHops	Backup	CRF	1q	VLAN
1003	7	7	off			

Primary	Secondary	Secondary-Type	Ports
10	20	isolated	6/1,6/3
11	21	isolated	6/2
30	-	-	
-	31	isolated	

This example shows how to display the VLAN mapping table information:

```

Console> show vlan mapping
802.1q vlan      ISL vlan      Effective
-----
3000              300              true
Console>

```

This example shows how to display information for a specific VLAN and type:

```

Console> show vlan 2 fddi
VLAN Name                               Status      IfIndex Mod/Ports, Vlans
-----
1002 fddi-default                         active      6

VLAN Type  SAID      MTU   Parent RingNo BrdgNo  Stp   BrdgMode Trans1 Trans2
-----
2   fddi  101002   1500  -      -      -     -         0      0

VLAN Inst DynCreated  RSPAN
-----
2   -   static    disabled
Console>

```

This example shows how to display information for nontrunk ports only on a specific VLAN:

```

Console> show vlan 2 notrunk
VLAN Name                               Status      IfIndex Mod/Ports, Vlans
-----
2   VLAN0002                             active      60

VLAN Type  SAID      MTU   Parent RingNo BrdgNo  Stp   BrdgMode Trans1 Trans2
-----
2   enet  100002   1500  -      -      -     -         0      0

VLAN Inst DynCreated  RSPAN
-----
2   -   static    disabled

VLAN AREHops STEHops Backup CRF lq VLAN
-----

Console>

```

This example shows how to display extended-range VLANs:

```

Console> (enable) show vlan 4000
VLAN Name                               Status      IfIndex Mod/Ports, Vlans
-----
Unable to access VTP Vlan 4000 information.

VLAN Type  SAID      MTU   Parent RingNo BrdgNo  Stp   BrdgMode Trans1 Trans2
-----
Unable to access VTP Vlan 4000 information.

VLAN Inst DynCreated  RSPAN
-----
Unable to access VTP Vlan 4000 information.

VLAN AREHops STEHops Backup CRF lq VLAN
-----

Console> (enable)

```

This example shows how to display a summary of active, suspended, and extended VLANs:

```

Console> show vlan summary
Vlan status   Count  Vlans
-----
VTP Active    504    1-100,102-500,1000,1002-1005

VTP Suspended 1      101

Extended      1      2000
Console>

```

Table 2-97 describes the fields in the **show vlan** command output.

**Table 2-97 show vlan Command Output Fields**

Field	Description
VLAN	VLAN number.
Name	Name, if configured, of the VLAN.
Status	Status of the VLAN (active or suspend).
IfIndex	Number of the ifIndex.
Mod/Ports, VLANs	Ports that belong to the VLAN.
Type	Media type of the VLAN.
SAID	Security association ID value for the VLAN.
MTU	Maximum transmission unit size for the VLAN.
Parent	Parent VLAN, if one exists.
RingNo	Ring number for the VLAN, if applicable.
BrdgNo	Bridge number for the VLAN, if applicable.
Stp	Spanning Tree Protocol type used on the VLAN.
BrdgMode	Bridging mode for this VLAN. Possible values are SRB and SRT; the default is SRB.
Inst	Instance number.
DynCreated	Status of whether the VLAN is created statically or dynamically.
RSPAN	Status of whether RSPAN is enabled or disabled.
AREHops	Maximum number of hops for All-Routes Explorer frames. Possible values are 1 through 13; the default is 7.
STEHops	Maximum number of hops for Spanning Tree Explorer frames. Possible values are 1 through 13; the default is 7.
Backup CRF	Status of whether the TrCRF is a backup path for traffic.
802.1Q Vlan	Number of the 802.1Q VLAN.
ISL Vlan	Number of the ISL VLAN.
Effective	Status of the VLAN. If the VLAN is active and its type is Ethernet, true is displayed; if not, false is displayed.
Primary	Number of the primary VLAN in a private VLAN.
Secondary	Number of the secondary VLAN in a private VLAN.

*Table 2-97 show vlan Command Output Fields (continued)*

Field	Description
Secondary-Type	Type of secondary VLAN port. Possible values are isolated, community, or -.
Ports	Number of the module and ports associated to a specific private VLAN pair.

**Related Commands**

[set trunk](#)  
[set vlan](#)  
[show trunk](#)

# show vlan counters

To display counters for all VLANs or a range of VLANs, use the **show vlan counters** command.

**show vlan counters** [*vlan*]

<b>Syntax Description</b>	<i>vlan</i>	Number or range of VLANs; valid values are from 1 to 1005 and from 1025 to 4094.
---------------------------	-------------	--

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Normal.

**Examples** This example shows how to display counters for VLAN 1:

```

Console> show vlan counters 1

Vlan      :1
L2-Unicast-Pkts           :3081
L3-In-Unicast-Pkts        :0
L3-Out-Unicast-Pkts       :0
L2-NonUnicast-Pkts + L3-In-NonUnicast-Pkts :4021
L3-Out-NonUnicast-Pkts    :0
L2-Unicast-Octets         :238081
L3-In-Unicast-Octets      :0
L3-Out-Unicast-Octets     :0
L2-NonUnicast-Octets + L3-In-NonUnicast-Octets :273025
L3-Out-NonUnicast-Octets  :0
Console>

```

[Table 2-98](#) describes the fields in the **show vlan counters** command output.

**Table 2-98** show vlan counters Output Fields

Field	Description
L2-Unicast-Pkts	Layer 2 unicast packets forwarded per VLAN.
L3-In-Unicast-Pkts	Layer 3 unicast packets forwarded per input VLAN.
L3-Out-Unicast-Pkts	Layer 3 unicast packets forwarded per output VLAN.
L2-NonUnicast-Pkts + L3-In-NonUnicast-Pkts	Layer 2 nonunicast packets forwarded per VLAN and Layer 3 nonunicast packets forwarded per input VLAN.

*Table 2-98 show vlan counters Output Fields (continued)*

Field	Description
L3-Out-NonUnicast-Pkts	Layer 3 nonunicast packets forwarded per output VLAN.
L2-Unicast-Octets	Layer 2 unicast octets per VLAN.
L3-In-Unicast-Octets	Layer 3 unicast octets per input VLAN.
L3-Out-Unicast-Octets	Layer 3 unicast octets per output VLAN.
L2-NonUnicast-Octets + L3-In-NonUnicast-Octets	Layer 2 nonunicast octets per VLAN and Layer 3 nonunicast octets per input VLAN.
L3-Out-NonUnicast-Octets	Layer 3 nonunicast octets per output VLAN.

**Related Commands**[clear vlan counters](#)

# show vmps

To display VMPS configuration information, use the **show vmps** command.

**show vmps [noalias]**

<b>Syntax Description</b>	<b>noalias</b> (Optional) Forces the display to show IP addresses, not IP aliases.
---------------------------	--

<b>Defaults</b>	This command has no default settings.
-----------------	---------------------------------------

<b>Command Types</b>	Switch command.
----------------------	-----------------

<b>Command Modes</b>	Normal.
----------------------	---------

<b>Examples</b>	This example shows how to display VMPS configuration information:
-----------------	---

```

Console> show vmps
VMPS Server Status:
-----
Management Domain: (null)
State: disabled
Operational Status: inactive
TFTP Server: default
TFTP File: vmps-config-database.1
Fallback VLAN: (null)
Secure Mode: open
VMPS No Domain Req: allow

VMPS Client Status:
-----
VMPS VQP Version: 1
Reconfirm Interval: 60 min
Server Retry Count: 3
VMPS domain server:

No dynamic ports configured.
Console>

No dynamic ports configured.
Console>

```

[Table 2-99](#) describes the fields in the **show vmps** command output.

**Table 2-99 show vmps Command Output Fields**

Field	Description
VMPS Server Status	Status of VMPS server.
Management Domain	Management domain supported by this server.

*Table 2-99 show vmps Command Output Fields (continued)*

Field	Description
State	Status on whether VMPS is enabled or disabled.
Operational Status	VMPS status (active, inactive, or downloading).
TFTP Server	IP address of the VMPS server.
TFTP File	VMPS configuration filename.
Fallback VLAN	VLAN assigned if a VLAN is not assigned to a MAC address in the database.
Secure Mode	Secure mode status (open or secure).
VMPS No Domain Req	Status on whether the server accepts requests from clients with no domain name.
VMPS Client Status	Status of the VMPS client.
VMPS VQP Version	Version of VMPS VQP.
VMPS domain server	VMPS domain server name.

**Related Commands**

[download](#)  
[set vmps server](#)  
[set vmps state](#)

# show vmps mac

To display the MAC-address-to-VLAN mapping table, use the **show vmps mac** command.

```
show vmps mac [mac_addr]
```

<b>Syntax Description</b>	<i>mac_addr</i> (Optional) MAC address that allows you to see mapping information.
---------------------------	--

<b>Defaults</b>	This command has no default settings.
-----------------	---------------------------------------

<b>Command Types</b>	Switch command.
----------------------	-----------------

<b>Command Modes</b>	Normal.
----------------------	---------

<b>Usage Guidelines</b>	If you do not specify a MAC address, the entire mapping table is displayed.
-------------------------	---

<b>Examples</b>	This example shows the entire MAC-address-to-VLAN mapping table:
-----------------	--

```
Console> show vmps mac
MAC Address      VLAN Name Last Requestor  Port ID Last Accessed Last Response
-----
00-00-c0-23-c8-34 Hardware  198.4.222.111  3/5    0, 01:25:30  Success
00-00-c0-25-c9-42 --NONE--  198.4.222.111  2/1    0, 05:20:00  Denied
Console>
```

[Table 2-100](#) describes the fields in the **show vmps mac** command output.

**Table 2-100 show vmps mac Command Output Fields**

Field	Description
MAC Address	MAC address.
VLAN Name	VLAN name assigned to the MAC address.
Last Requestor	IP address of the client that last requested a VLAN assignment for this MAC address.
Port ID	Port ID in the last request.
Last Accessed	Time when the last request was processed for this MAC address.
Last Response	Response sent by the server for the last request.

<b>Related Commands</b>	<a href="#">show vmps</a>
-------------------------	---------------------------

# show vmps statistics

To display the VMPS statistics, use the **show vmps statistics** command.

## show vmps statistics

**Syntax Description** This command has no keywords or arguments.

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Normal.

**Usage Guidelines** The statistics shown are based on the results of the **reconfirm vmps** command.

**Examples** This example shows how to display the VMPS statistics:

```
Console> show vmps statistics
VMPS Statistics:
Last Enabled At:                2,01:30:05
Config Requests:                20
Invalid Requests:              0
Status 'Error' Responses:       0
Status 'Deny' Responses:       5
MAC Address of Last Failed Request: 00-60-00-cc-01-02
Console>
```

[Table 2-101](#) describes the fields in the **show vmps statistics** command output.

**Table 2-101 show vmps statistics Command Output Fields**

Field	Description
Last Enabled At	Time when the VMPS was enabled.
Config Requests	Number of configuration requests.
Invalid Requests	Number of invalid requests.
Status 'Error' Responses	Number of error responses.
Status 'Deny' Responses	Number of "Access Denied" and "Port Shutdown" responses.
MAC Address of Last Failed Request	MAC address of the last request for which the response was not successful.

---

Related Commands [clear vmps statistics](#)

## show vmps vlan

To display all the MAC addresses assigned to a VLAN in the VMPS table, use the **show vmps vlan** command.

**show vmps vlan** *vlan\_name*

<b>Syntax Description</b>	<i>vlan_name</i> Name or number of the VLAN.
---------------------------	--

<b>Defaults</b>	This command has no default settings.
-----------------	---------------------------------------

<b>Command Types</b>	Switch command.
----------------------	-----------------

<b>Command Modes</b>	Normal.
----------------------	---------

<b>Examples</b>	This example shows how to display all MAC addresses assigned to the VLAN named Hardware:
-----------------	--

```
Console> show vmps vlan Hardware
```

```
MAC Address      VLAN Name Last Requestor  Port ID Last Accessed Last Response
-----
00-00-c0-23-c8-34 Hardware  198.4.222.111  3/5     0, 01:25:30  Success
Console>
```

[Table 2-102](#) describes the fields in the **show vmps vlan** command output.

**Table 2-102 show vmps vlan Command Output Fields**

Field	Description
MAC Address	MAC address.
VLAN Name	VLAN name assigned to the MAC address.
Last Requestor	IP address of the client that last requested a VLAN assignment for this MAC address.
Port ID	Port ID in the last request.
Last Accessed	Time when the last request was processed for this MAC address.
Last Response	Response sent by the server for the last request.

<b>Related Commands</b>	<a href="#">show vmps</a>
-------------------------	---------------------------

# show vtp domain

To display VTP domain information, use the **show vtp domain** command.

## show vtp domain

**Syntax Description** This command has no keywords or arguments.

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Normal.

**Examples** This example shows how to display VTP domain information:

```

Console> show vtp domain
Domain Name                               Domain Index VTP Version Local Mode Password
-----
                                           1             2             server      -

Vlan-count Max-vlan-storage Config Revision Notifications
-----
15          1023             5             disabled

Last Updater V2 Mode Pruning PruneEligible on Vlans
-----
172.20.44.30 enabled disabled 2-1000
Console>

```

[Table 2-103](#) describes the fields in the **show vtp domain** command output.

**Table 2-103 show vtp domain Command Output Fields**

Field	Description
Domain Name	Name of the VTP domain.
Domain Index	Domain index number of the domain.
VTP Version	VTP version number.
Local Mode	VTP mode (server, client, or transparent).
Password	Password required or not.

■ show vtp domain

*Table 2-103 show vtp domain Command Output Fields (continued)*

Field	Description
Vlan-count	Total number of VLANs in the domain.
Max-vlan-storage	Maximum number of VLANs allowed on the device.
Config Revision	VTP revision number used to exchange VLAN information.
Notifications	Notifications to SNMP (enabled or disabled).
Last Updater	IP address through which VTP was last updated.
V2 Mode	Status on whether VTP V2 mode is enabled or disabled.
Pruning	Status on whether VTP pruning is enabled or disabled.
PruneEligible on Vlans	VLANs on which pruning is allowed.

**Related Commands**

[set vtp](#)

[show vtp statistics](#)

# show vtp statistics

To display VTP statistics, use the **show vtp statistics** command.

## show vtp statistics

**Syntax Description** This command has no keywords or arguments.

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Normal.

**Examples** This example shows how to display VTP statistics:

```

Console> show vtp statistics
VTP statistics:
summary advts received          0
subset advts received           0
request advts received          0
summary advts transmitted       72
subset advts transmitted         7
request advts transmitted        0
No of config revision errors    0
No of config digest errors      0

VTP pruning statistics:

Trunk   Join Transmitted Join Received Summary advts received from GVRP PDU
----- non-pruning-capable device Received -----
4/2     0             0             0             0

```

[Table 2-104](#) describes the fields in the **show vtp statistics** command output.

**Table 2-104 show vtp statistics Command Output Fields**

Field	Description
summary advts received	Total number of summary advts received.
subset advts received	Total number of subset advts received.
request advts received	Total number of request advts received.
summary advts transmitted	Total number of summary advts transmitted.
subset advts transmitted	Total number of subset advts transmitted.
request advts transmitted	Total number of request advts transmitted.

*Table 2-104 show vtp statistics Command Output Fields (continued)*

Field	Description
No of config revision errors	Number of config revision errors.
No of config digest errors	Number of config revision digest errors.
Trunk	Trunk port participating in VTP pruning.
Join Transmitted	Number of VTP-Pruning Joins transmitted.
Join Received	Number of VTP-Pruning Joins received.
Summary advts received from nonpruning-capable device	Number of Summary advts received from nonpruning-capable devices.
GVRP PDU Received	Number of GVRP messages received on VTP trunks.

**Related Commands**

**clear vtp statistics**  
**set vtp**

# slip

To attach or detach Serial Line Internet Protocol (SLIP) for the console port, use the **slip** command.

**slip** { **attach** | **detach** }

Syntax Description	
<b>attach</b>	Activates SLIP for the console port.
<b>detach</b>	Deactivates SLIP for the console port.

**Defaults** The default is SLIP is not active (detached).

**Command Types** Switch command.

**Command Modes** Privileged.

**Usage Guidelines** You can use the **slip** command from a console port session or a Telnet session.

**Examples** This example shows how to enable SLIP for a console port during a console port session:

```
Console> (enable) slip attach
Console port now running SLIP.
<console port running SLIP>
```

This example shows how to disable SLIP for a console port during a Telnet session:

```
Console> (enable) slip detach
SLIP detached on Console port.
<console port back to RS-232 Console>
Console> (enable)
```

**Related Commands** [set interface](#)

# squeeze

To delete Flash files permanently, use the **squeeze** command.

**squeeze** [*m/*]*device*:

<b>Syntax Description</b>	<i>m/</i>	(Optional) Module number of the supervisor engine containing the Flash device.
	<i>device</i> :	Device where the Flash resides.

**Defaults** This command has no default settings.

**Command Types** Switch command.

**Command Modes** Privileged.

**Usage Guidelines** A colon (:) is required after the specified device.

**Examples** These examples show how to use the **squeeze** command to delete the slot0 Flash files and then use the **show flash** command to confirm the deletion:

```

Console> squeeze slot0:
All deleted files will be removed, proceed (y/n) [n]?y
Squeeze operation may take a while, proceed (y/n) [n]?y
.....
Console> show flash
-#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
  1 .. 2      f3a3e7c1 607f80  24  6061822 Mar 31 2000 15:42:49 cat6000-sup.
5-5-1.bin
7336000 bytes available (1052608 bytes used)
Console>

```

**Related Commands**

- [dir—switch](#)
- [show flash](#)
- [undelete](#)